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CENTRAL INTELLIGENCE AGENCY

WASHINGTON, D.C. 20505

12 March 1970

MEMORANDUM FOR: Chairman, COINS T&A Panel

SUBJECT : NETWORK PARTICIPATION TABLES

1. The calculations are based on operator logs for February. NSA started providing operator logs on 9 February, therefore only fourteen days are included. There are several inconsistencies that can be ironed out by the T&A Panel at the next meeting. For example, note that NSA claims that the switch was down for 10 hours in the period 9 Feb - 28 Feb while the SWITCH claims down time of about 7 hours during the period 2 Feb - 28 Feb.

2. The second table depicts the distribution over the day of potential/operational participation. The potential number is arrived at by adding up the number of hours during the selected time period in which a participant planned to be in the network. Thus if our period was one day and four participants were in the system then for each hourly interval there would be four hours shown. The table shows 71 hours during the time period of 0800-0900 during February. This represents the sum of CIA-19 hrs., DIA-19 hrs., NSA-14 hrs., SWITCH-19 hrs. Operational time is calculated similarly. The purpose of the chart is to analyze the effect of the time of day on the effectiveness of the system. Note that participation is poorer early in the day (0700-0800) and in the last hours of the day (1600 on).

3. If there are any questions or comments please contact me on [redacted] Copies of this output can be distributed at the next T&A Panel meeting.

Office of Economic Research

Attachments

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PROJECT MILESTONE CHART
TEST & ANALYSIS PANEL

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CY-70

CY-71

| FUNCTIONAL AREA | DESCRIPTION OF TASK | EST. MAN | ACTION AGENCY | \$ COSTS | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOT | DEC | 1st Q | 2nd Q | 3rd Q | 4th Q |
|--------------------|---|-------------|------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|----------|----------|----------|
| | Establish Automated Network Probing | | | | | | | | | | | | | | | | |
| | Finalize User Log Completion Criteria | | | | | | | | | | | | | | | | |
| | Finalize Criteria for Collection of Master Test & Analysis data and Merging into MTARA at NSA. | | | | | | | | | | | | | | | | |
| | Define Programs to produce Test & Analysis outputs for required monthly & semi-annual Reports | | | | | | | | | | | | | | | | |
| | Specify Pre-printed form design to display MTARA outputs | | | | | | | | | | | | | | | | |
| | Publish monthly & semi-annual Test & Analysis Reports. | | | | | | | | | | | | | | | | |
| | Define a standard timing arrangement for the network | | | | | | | | | | | | | | | | |
| | Establish estimates for originating system checks for valid file name & proper agency addressee | | | | | | | | | | | | | | | | |
| | Investigate terminal Authority to query specified file. | | | | | | | | | | | | | | | | |

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| FUNCTIONAL AREA | DESCRIPTION OF TASK | EST. MAN MONTHS | ACTION AGENCY | \$ COSTS | CY-70 | | | | | | | | | | | | CY-71 | | | |
|--------------------|--|-----------------------|------------------|-------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|----------|----------|----------|----------|--|--|--|
| | | | | | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | 1st Q | 2nd Q | 3rd Q | 4th Q | | | |
| | TAP PROJECT MILESTONE CHART | | | | | | | | | | | | | | | | | | | |
| | Investigate Communication Line performance - (Whether lines meet 2400 baud capacity and determine error rates). | | | | | | | | | | | | | | | | | | | |
| | Determine MTBF and MTTR for all communications equipment. | | | | | | | | | | | | | | | | | | | |
| | Perform comparative study of Tech control logs on COINS circuits between parti- cipating agencies. | | | | | | | | | | | | | | | | | | | |
| | Expand MTARA to include message segment counts. | | | | | | | | | | | | | | | | | | | |
| | Establish COINS Tech Control log in common format. | | | | | | | | | | | | | | | | | | | |
| | Review System Availability logs to reduce subjectivity. | | | | | | | | | | | | | | | | | | | |
| | Insure that Informatics is getting all necessary information and that Data collection performed uniformly | | | | | | | | | | | | | | | | | | | |
| | Specify Audit Trail elements necessary in operational COINS-type network. | | | | | | | | | | | | | | | | | | | |
| | Establish Exception Reporting on incomplete interrogations. | | | | | | | | | | | | | | | | | | | |

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